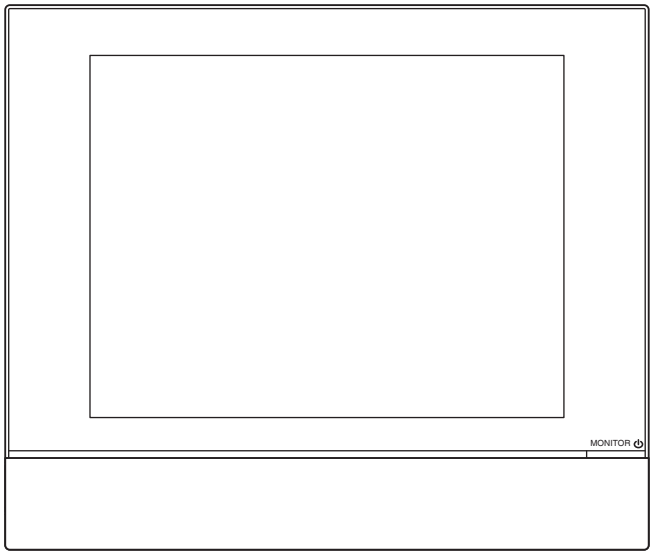
DAIKIN

# Commissioning Manual
# Supplementary Volume

# intelligent Touch Manager
## Layout Screen Creation Tool

**Model**
DCM601A51



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# Layout Screen Creation Tool

The Layout Screen Creation Tool, which is provided as part of the Preconfiguration Tool Set and available with the Layout Screen Functionality dealer option, allows you to create layout screens in advance. For information on how to log into the Preconfiguration Tool Set as well as the detailed description of the tool set, see the appropriate pages of the Commissioning Manual.

You need a separate PC to run the Layout Screen Creation Tool.

See the following table for the hardware and software requirements to run the Layout Screen Creation Tool:

| Function | Requirement |
|---|---|
| PC to run the pre-engineering tool | OS: Windows XP Professional SP3 (32 bit)<br>Windows VISTA Business SP2 (32 bit)<br>Windows 7 Professional SP1 (32 bit, 64 bit)<br>CPU: Intel Core 2 Duo 1.2 GHz or equivalent<br>RAM: Minimum 2 GB or higher<br>Free HDD Space: 10 GB or larger<br>Network: 100BASE-TX or higher network connection<br>Display Resolution: 1024 × 768 or higher * |
| Network | 100Base-TX<br>Real transfer rate: 115 kbps or higher |
| Supported security software | McAfee 2011<br>Norton 2011<br>Virus Buster 2011 |
| Flash Player | Version 11.1 |
| Web browser | Internet Explorer 8, 9<br>Firefox 10.0 |

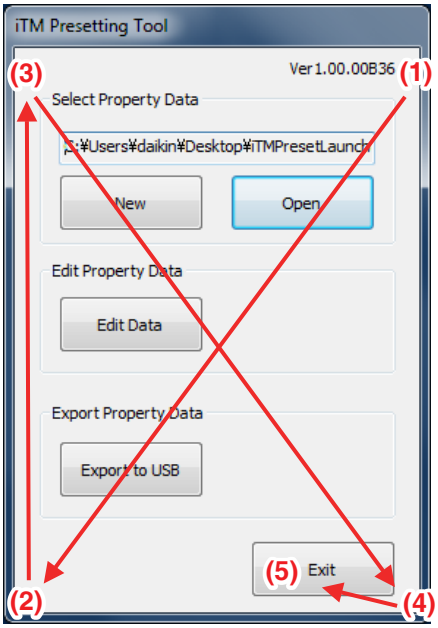
* When the height of the display resolution is 768 pixels, you should enable the “Auto-Hide the Task Bar” setting.

Use the following procedures to work with the Layout Screen Creation Tool:

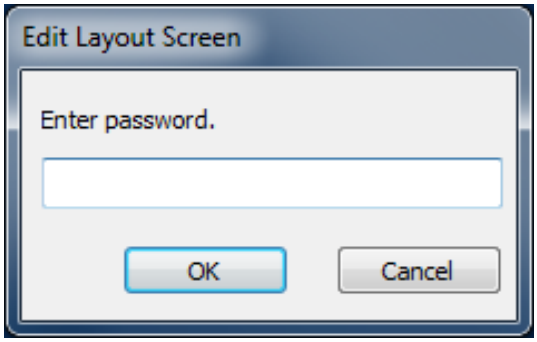
## Launching the Layout Screen Creation Tool

1. Log into the Preconfiguration Tool Set and go to the Main Window.

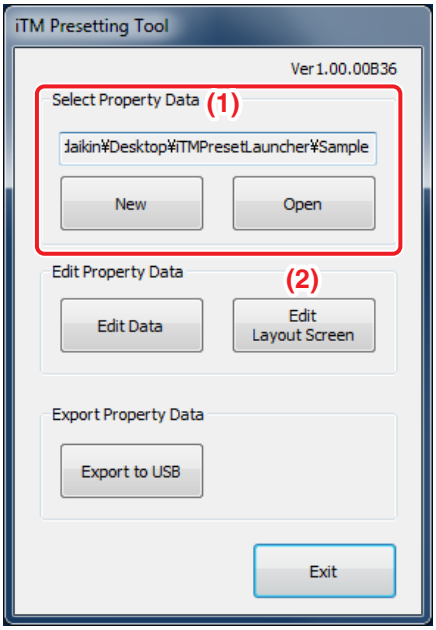
**Main screen**




2. Click the four corners of the window in the ascending order of the numbers indicated on the figure above and finally click the Exit button to access the password prompt dialog box.

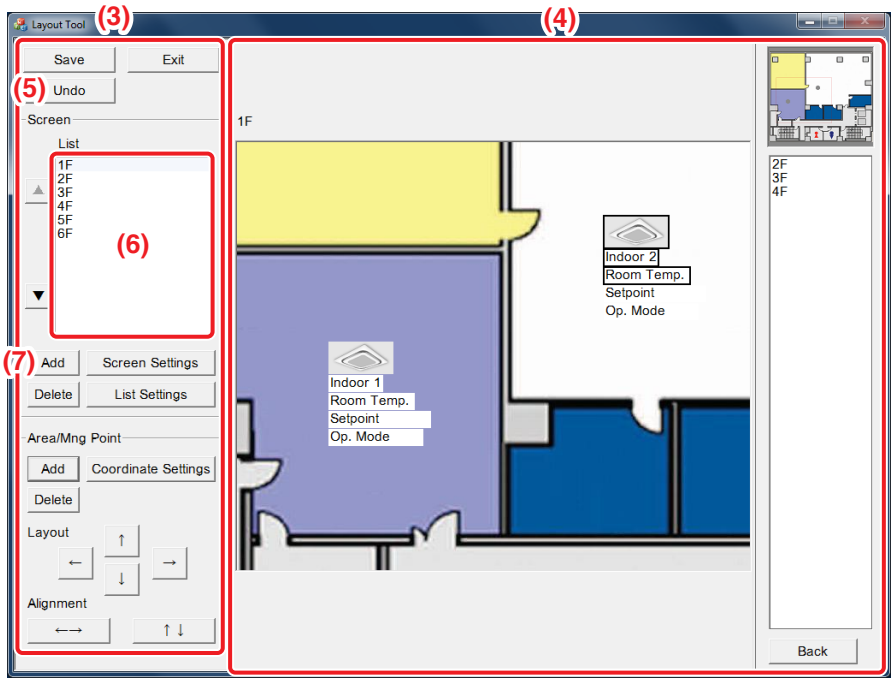



3. Enter “daikin” as the password and then click the OK button to bring up the following dialog box, which contains the Edit Layout Screen button.




4. Under the section numbered **(1)** in the figure above, create a folder for a new property or select the folder for an existing property. (For more information, see “4-7. Pre-engineering” in the Commissioning Manual (EM11A021 / EM11A022).

   Click the **Edit Layout Screen** button **(2)** to bring up the Edit Screen window.




The Edit Screen window is divided into the operation pane **(3)** and the display pane **(4)**. While you are editing the screen in the operation pane **(3)**, the display pane **(4)** provides a preview of how the screen will be displayed on iTM. You can interact with the display pane **(4)** in the same way as when you are working within iTM; for more information, see the User's Manual (EM11A015 / EM11A017).

To edit the layout screen, you can perform actions such as adding, deleting, or moving areas or management points by left clicking the appropriate buttons in the operation pane **(3)**. Alternatively, you can point to a certain part on the display pane **(4)** and then click the right mouse button or press the appropriate key to perform your desired action.

The following table provides a list of available mouse and keyboard actions:

| Action | | Target | |
|---|---|---|---|
| | | Background image | Icon / auxiliary information |
| Mouse action | Left click | – | Select |
| | Left click & drag | Rubber band select | Move |
| | Right click | [Bring up a popup menu]<br>Add an area or management point<br>Set up the screen<br>Set up the list | [Bring up a popup menu]<br>Delete<br>Set up the coordinates |
| Keyboard action | Delete key | – | Delete the selected displayed information |
| | Cursor keys | – | Move the selected displayed information |
| Keyboard action + mouse action | Ctrl key + left click | – | Select multiple items |

**Mouse and Keyboard Actions**

During an edit session, you can undo the previous action by clicking the **Undo** button **(5)**. You can undo up to 10 most recent actions since the last save, screen change, or delete operation.

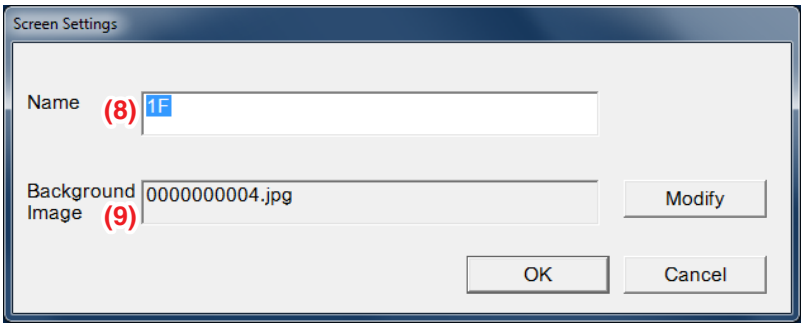
**NOTE**

Certain actions cannot be undone.

## Setting Up the Screen

The screen list **(6)** in the operation pane **(3)** provides a list of registered screens. As you select a screen from this list, a preview of the selected screen appears in the display pane **(4)**. You can assign up to 60 screens to a single property.

1. Click the **Add** button **(7)** to bring up the Screen Settings dialog box.




The text box **(8)** allows you to enter the screen name by accepting up to 20 characters.

The text box **(9)** allows you to specify the background image. To change the image to use as the background, click the Modify button. As the background image, you can use any JPEG image file up to 500 KB in size and containing a 600 pixel × 500 pixel to 1500 pixel × 1000 pixel image.

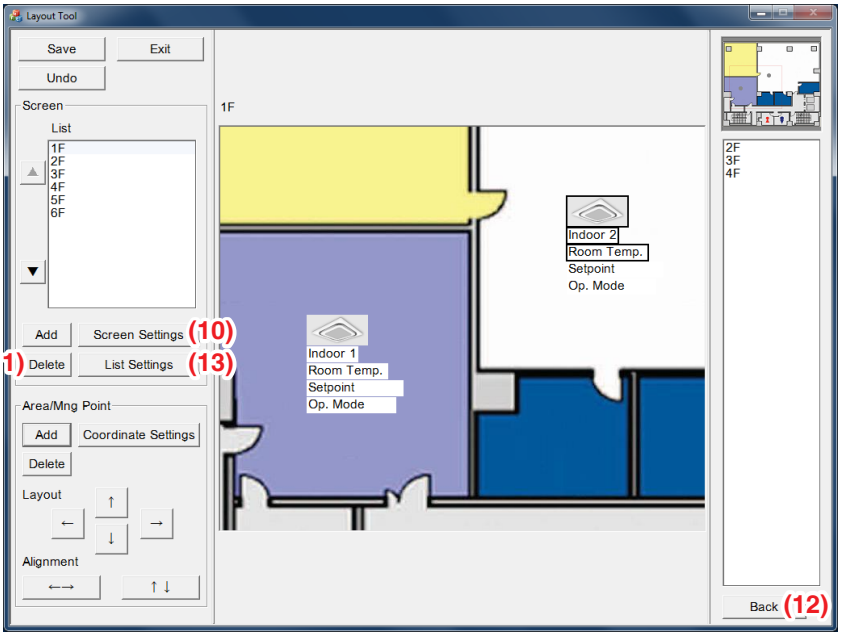
Click the OK button to save the changes and return to the Edit Screen window.

The background image you have just added appears at the bottom of the list.

You can reorder the screen list using the ▲ and ▼ buttons.

**NOTE**

The file name of the imported background image may be different from the original name because it is automatically converted for management in the tool when the layout data is saved.



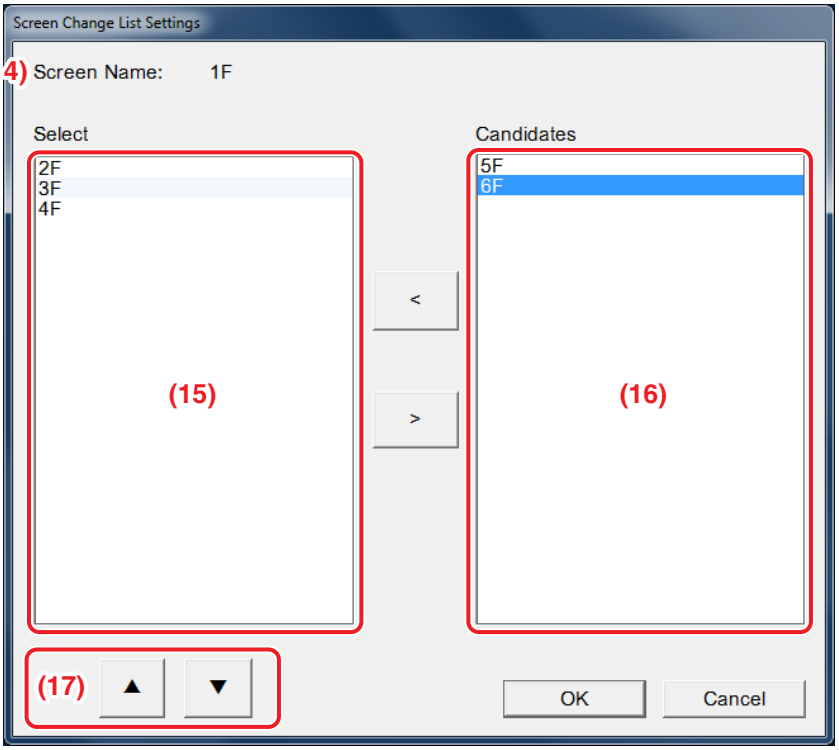

2. You can select a screen from the screen list and click the **Screen Settings** button **(10)** to bring up the Screen Settings dialog box, where you can change the name and background image of the screen (to do so, follow the instructions given in step 1).

   If you want to delete a screen, select it from the screen list and click the **Delete** button **(11)**. You can then delete the screen by clicking the OK button on the confirmation dialog box that appears. Click the **Back** button **(12)** to go back to the previous screen. You can go back up to 10 screens.

**NOTE**

Once you have deleted a screen, you cannot recover the deleted screen since the Undo button cannot be used to undo the deletion. Take extreme care.

3. Click the **List Settings** button **(13)** to bring up the Screen Change List Settings dialog box.




The name of the currently selected screen is displayed in the filed numbered **(14)** in the figure above.

This window allows you to set up the contents of the Screen Change List associated with the currently selected screen.

The list **(15)** displays the screens currently included in the Change List.

The list **(16)** shows screens available for inclusion in the Change List.

To include an available screen in the Change List, select the screen from the list **(16)** and then click the < button to move it to the list **(15)**.

To exclude a screen from the Change List, select the screen from the list **(15)** and then click the > button to move it to the list **(16)**.

To reorder the contents of the list **(15)**, use the ▲ or ▼ button **(17)**.

Click the OK button to save the changes and return to the Edit Screen window.

**NOTE**

You need to make the screen change list setting for each screen.

During operation by iTM, the list specified for each screen is displayed and you can switch to only the screens shown in the list.

**Example)**

**Screen A**

| Screen change list setting |
|---|
| Screen B |
| Screen C |
| Screen D |

**Screen B**

| Screen change list setting |
|---|
| Screen A |
| Screen C |

**Screen C**

| Screen change list setting |
|---|
| Screen A |
| Screen B |

**Screen D**

| Screen change list setting |
|---|
| Screen A |

**Changable screens**

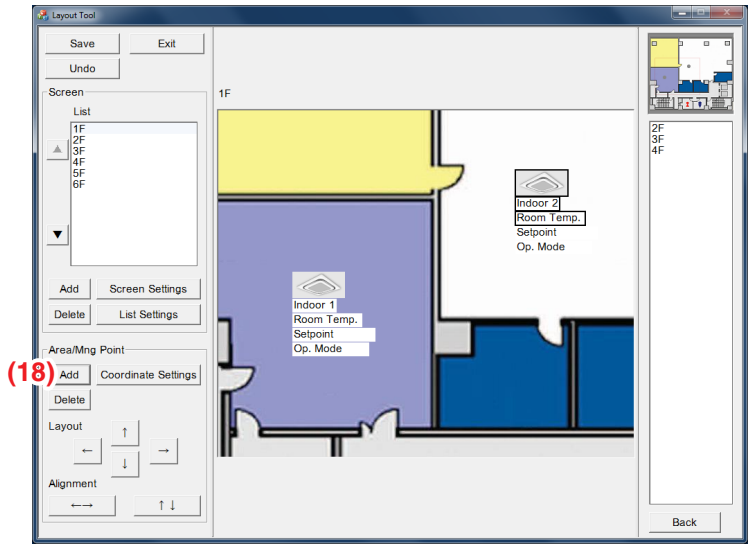
| | A | B | C | D |
|---|---|---|---|---|
| **A** | | ○ | ○ | ○ |
| **B** | ○ | | ○ | × |
| **C** | ○ | ○ | | × |
| **D** | ○ | × | × | |

By using the screen change list setting, you can limit the screen change; for example changing to a specific screen can be limited to only from specified screens.

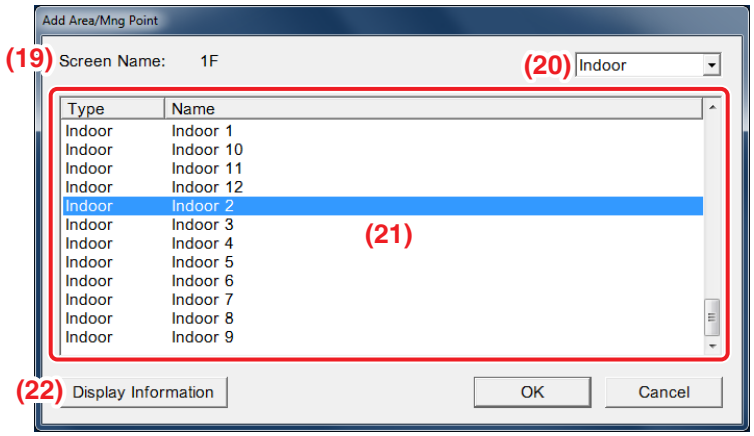
In the example above, changing to the screen D is possible only from the screen A.

Make the setting of changable screens according to the customer demand.

## Adding and Editing Areas or Management Points




1. Click the **Add** button **(18)** to bring up the Add Area / Mng Point dialog box.




The name of the screen to add areas or management points is displayed in **(19)**.

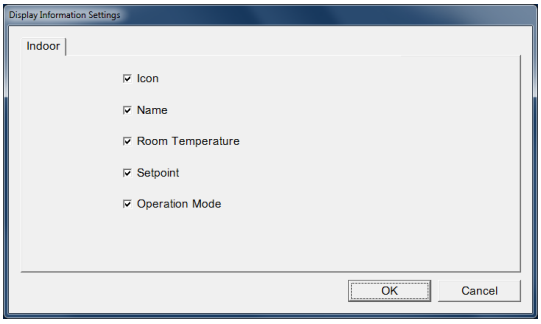
This dialog box does not display any of the automatically generated default areas.

From the Type combo box **(20)**, choose one of the following types: All, Indoor, Ventilator, Analog, Pulse, Outdoor, Area. Select areas and/or management points you want to add from the list **(21)**, which is now populated with a list of areas and management points available with your selected type. You can add up to 20 items at the same time.

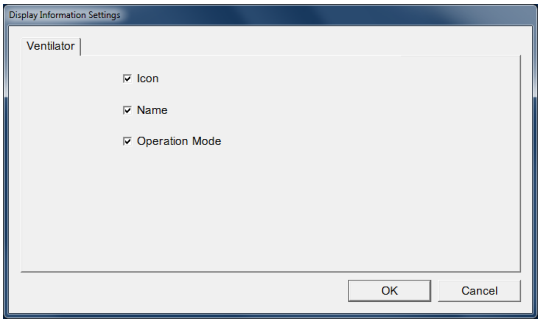
2. Click the **Display Information** button **(22)** to bring up the Displayed Information Settings dialog box, where you can set up the displayed information for your selected areas or management points. The Displayed Information Setup dialog box has 8 tabs that correspond to the types of your selected areas or management points.

   Each tab provides a number of check boxes that control the display of various items. All of the items checked on the tabs will be displayed on the layout screen.

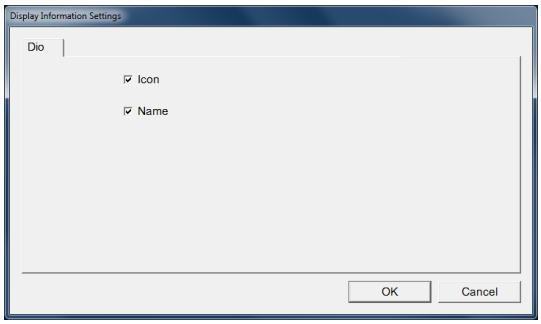
   By factory default, all the items are checked. So be sure to uncheck any items that you do not want to have displayed.



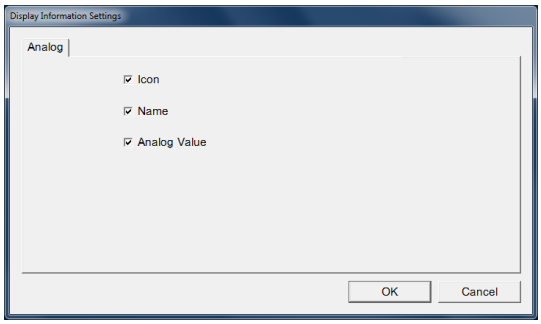

**Displayed Information Settings dialog box (Indoor tab)**



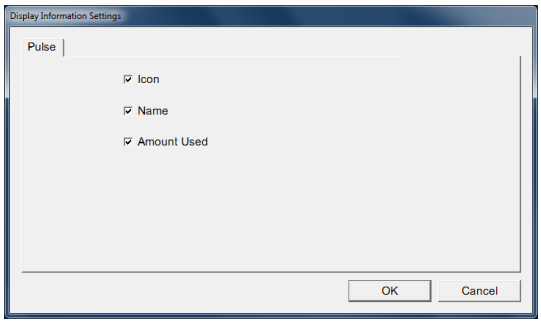

**Displayed Information Settings dialog box (Ventilator tab)**



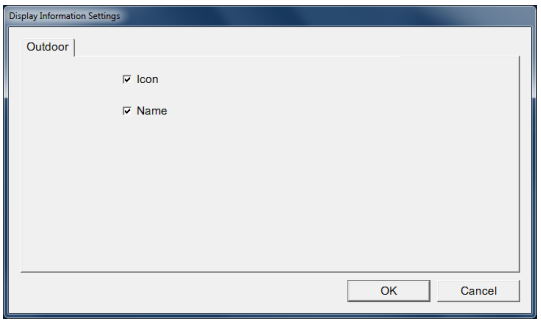

**Displayed Information Settings dialog box (Dio tab)**



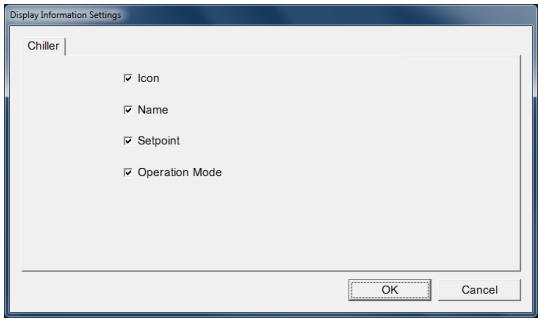

**Displayed Information Settings dialog box (Analog tab)**



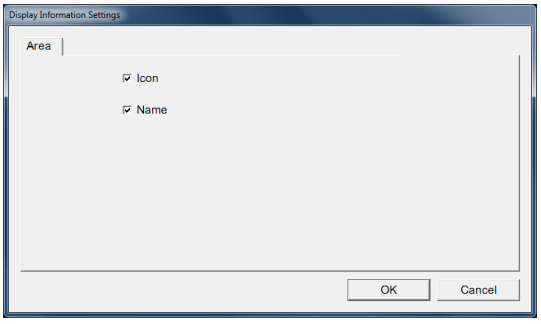

**Displayed Information Settings dialog box (Pulse tab)**




**Displayed Information Settings dialog box (Outdoor tab)**



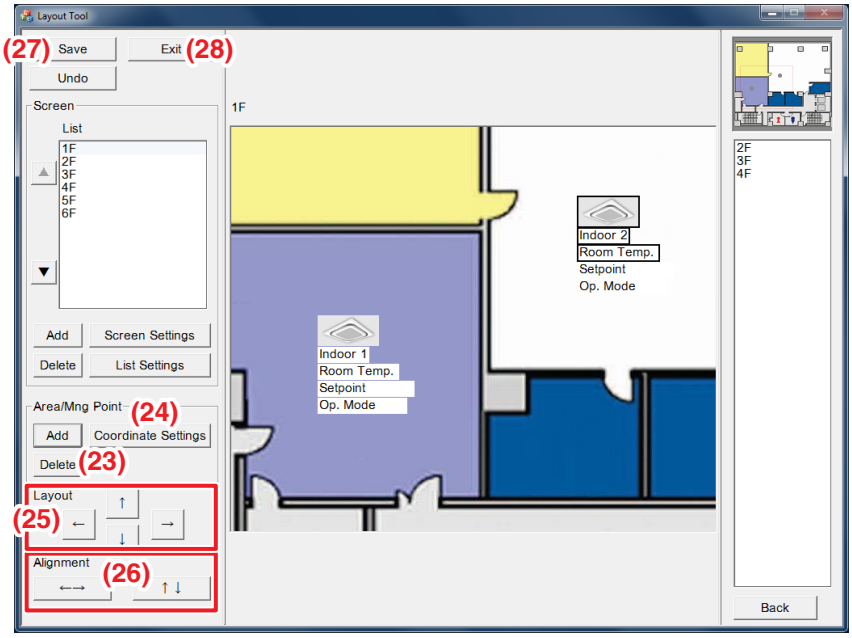

**Displayed Information Settings dialog box (Chiller tab)**




**Displayed Information Settings dialog box (Area tab)**

When you are done, click the OK button to save changes and return to the Add Area / Mng Point dialog box.

3. When you finish selecting the areas and management points, click the OK button to close the Add Area / Mng Point dialog box and return to the Edit Screen window.




4. The areas and management points you have just added are displayed on the screen.

   To delete an area or management point, select the area or management point and then click the **Delete** button **(23)**.

   To move an area or management point, select the area or management point using the mouse and drag it to a new location. Alternatively, click the **Coordinate Settings** button **(24)** and then enter the desired coordinates (in pixels) to move the area or management point to your specified location. The origin of coordinates is located at the upper left corner of the background image with the X axis extending positively from left to right and with the Y axis extending positively from up to down.

   You can use the **Layout** buttons **(25)** to align vertically or horizontally multiple areas or management points.

   ← button: Aligns the left edges of the selected areas or management points to the left edge of the leftmost of them.

   → button: Aligns the right edges of the selected areas or management points to the right edge of the rightmost of them.

   ↑ button: Aligns the upper edges of the selected areas or management points to the upper edge of the uppermost of them.

   ↓ button: Aligns the lower edges of the selected areas or management points to the lower edge of the lowermost of them.

   You can use the **Alignment** buttons **(26)** to evenly arrange (justify) vertically or horizontally multiple areas or management points.

←→ button: Anchors in place the selected areas or management points with the leftmost left edge and with the rightmost right edge and justifies horizontally all the other in between.

↑↓ button: Anchors in place the selected areas or management points with the uppermost upper edge and with the lowermost lower edge and justifies vertically all the other in between.

**NOTE**

- The Alignment buttons are for aligning “display areas”. The areas may not be evenly displayed on iTM depending on the number of displayed characters.
- The icon size is fixed to 76 px (W) x 38 px (H) and cannot be changed.
- Up to 100 icons can be displayed on a screen.

5. When you are done configuring all necessary settings, click the **Save** button **(27)** to save the changes to the layout screen data, and then click the **Exit** button **(28)** to return to the Preconfiguration Tool Set.

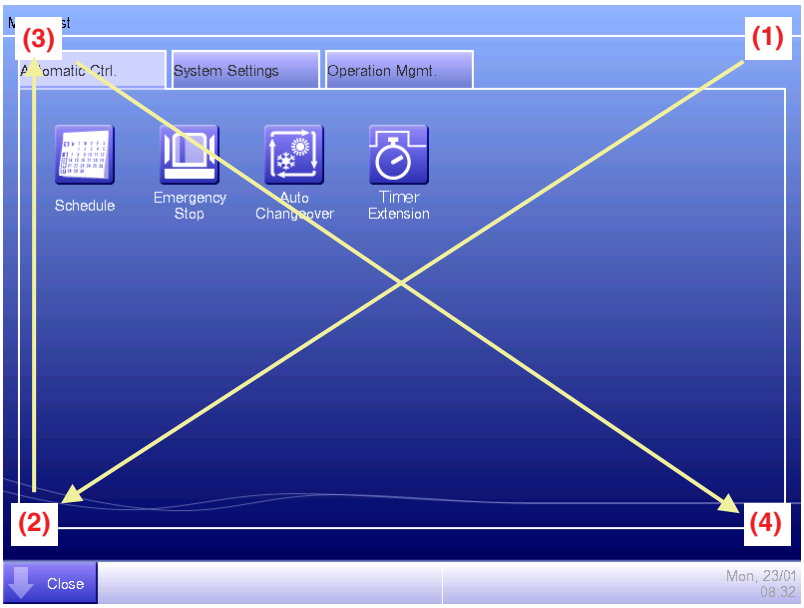
**NOTE**

Once you have saved a screen using the Save button, you cannot revert the screen to the previous state since the Undo button cannot be used to undo the save. Take extreme care.

## Exporting the Screen Data Output

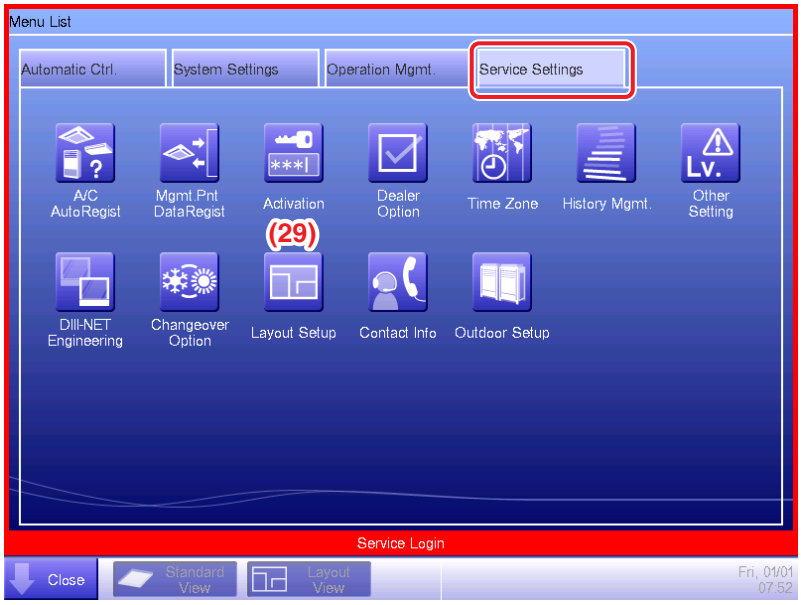
When you want to use the Layout Screen Creation Tool to work on the data of an existing property created in the iTM unit, you can export the data from iTM to a USB memory storage device. To do so, use the following procedures:

1. On iTM Standard View window, touch the Menu List button to bring up the Menu List window.

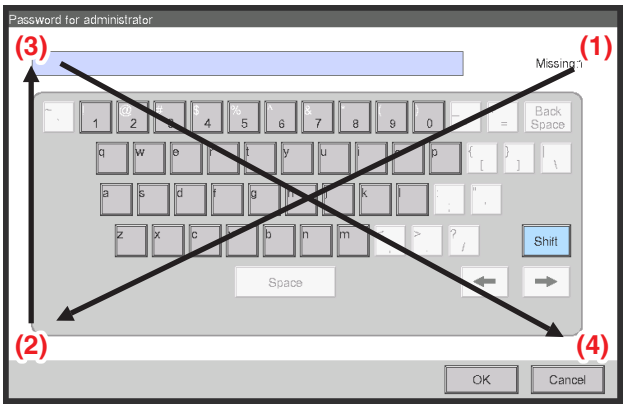



2. Touch the four corners of the screen in the indicated order. The Password Input dialog appears.

3. Enter the service password “daikin” and touch the OK button to log into the SE Mode.



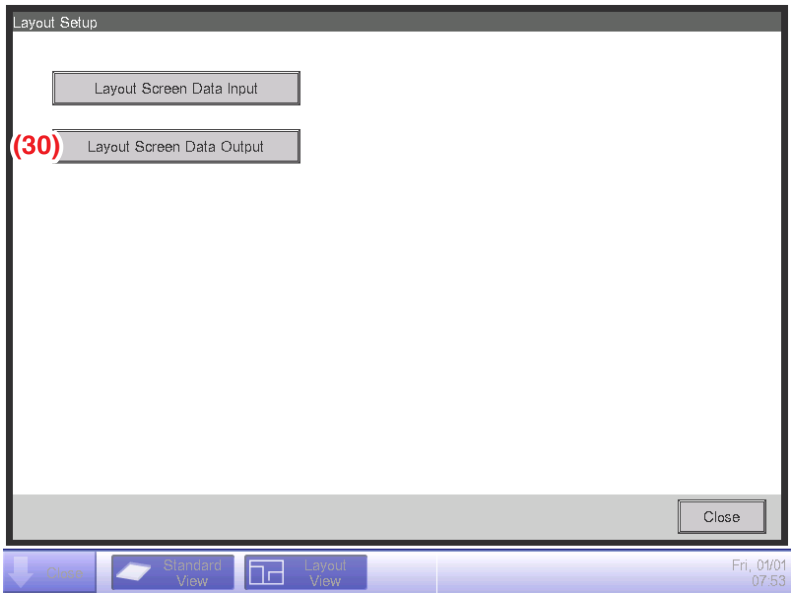

Furthermore, if the screen is locked, entering the service password instead of the administrator password after carrying out the special operation indicated below, allows you to unlock the screen and log into the SE Mode.



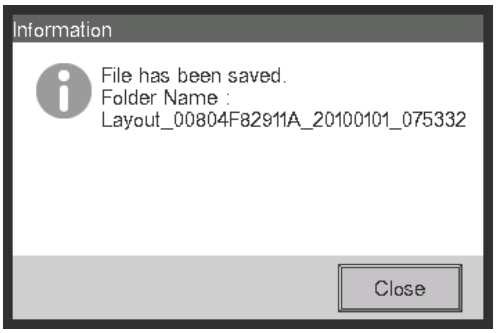

4. Touch the **Layout Setup** button **(29)** to bring up the Layout Setup window.

**NOTE**

The Layout Setup button is not displayed when the iTM unit does not contain any layout screen data.




5. Insert the USB memory storage device into iTM unit and then touch the **Layout Screen Data Output** button **(30)**. Export the data by touching the Yes button on the confirmation dialog box that appears.



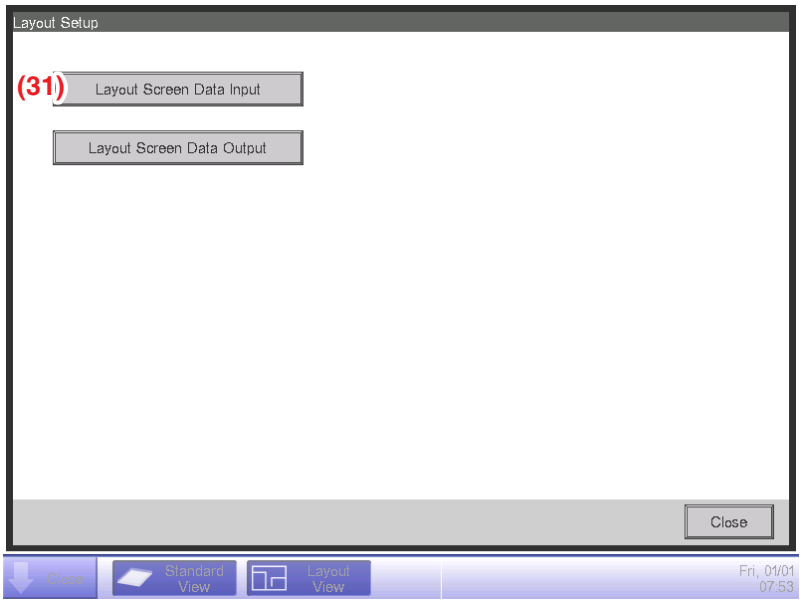

When the data has been exported, the folder where the data is stored is displayed on the dialog box. Take note of the folder and then touch the Close button to exit.

## Importing the Layout Screen Data

After you have edited layout screen data in the Preconfiguration Tool Set, you can save the data on a USB memory storage device and import it into iTM unit. To do so, use the following procedures:

For more information on how to save data on a USB memory storage device, see “4-7. Pre-engineering” in the Commissioning Manual (EM11A021 / EM11A022).

1. Open the Service Settings tab and touch the Layout Setup button to bring up the Layout Setup window.




2. Insert the USB memory storage device into the iTM unit and then touch the **Layout Screen Data Input** button **(31)**. Import the data by touching the Yes button on the confirmation dialog box that appears.

   When the data has been imported, iTM restarts automatically.

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